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Approved for use through 10/31/2002. OMB 0651-0032
Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

PTO/SB/05 (08-00)

05/02/01

JC678 U.S. PTO

UTILITY
PATENT APPLICATION
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 2100653-991140

First Inventor Kim, et al.

Title CROSS BAR MULTIPATH CONTROLLER SYSTEM AND METHOD

Express Mail Label No. EL 813645956 US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

ADDRESS
TO:Commissioner for Patents
Box Patent Application
Washington, DC 20231

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original, and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.
See 37 CFR 1.27.

3. ☒ Specification [Total Pages 21]
(preferred arrangement set forth below)
- Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R&D
 - Reference to sequence listing, a table or a computer program listing appendix
 - Background of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed description
 - Claim(s)
 - Abstract of the Disclosure

4. ☒ Drawing(s) (35 U.S.C. 113) [5 Total Sheets]

5. Oath or Declaration [Total Pages 4 (2-sided)]

- a. ☒ Newly Executed (original or copy)
- b. ☐ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 17 completed)
- i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s)
named in the prior application, see 37 CFR
1.63(d)(2) and 1.33(b).

6. ☐ Application Data Sheet. See 37 CFR 1.76.

7. ☐ CD-ROM or CD-R in duplicate, large table or
Computer Program (Appendix)

8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)

- a. ☐ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies; or
 - ii. ☐ paper
- c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement of Power of Attorney
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations
13. ☐ Preliminary Amendment (23 pgs.)
14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
Certified Copy of Priority Document(s)
(if foreign priority is claimed)
15. ☐ Request and Certification under 35 U.S.C. 122
(b)(2)(B)(i). Applicant must attach form PTO/SB/35
or its equivalent.
16. ☐
17. ☒ Other: 1) Check # 416270 in the amount of \$ 538.00
2) Small Entity Declaration (1 pg. 2 sided)

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: _____
Prior application information: Examiner _____ Group/Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

18. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label

(Insert Customer No. or Attach bar code label here)

or ☐ Correspondence address below

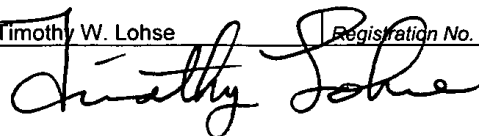
Name	Gray Cary Ware & Freidenrich LLP				
Address	1755 Embarcadero				
City	Palo Alto	State	California	Zip Code	94303-3340
Country	US	Telephone	650-320-7426	Fax	

NAME (Print/Type) Timothy W. Lohse

Registration No. (Attorney/Agent)

35,255

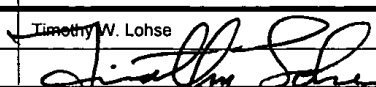
Signature



Date

5/2/2001

May 2, 2001

SUBMITTED BY		Complete (if applicable)	
Name (Print/Type)	Timothy W. Lohse	Registration No. (Attorney/Agent)	35,255
Signature		Telephone	(650) 320-7426
		Date	May 2, 2001

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, D.C. 20231. DO NOT SENT FEES OR COMPLETED FORM TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

105047991-050201

05-04-01

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JCS879 U.S. PTO

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

EXPRESS MAIL number: **EL813645956US**

Date of Deposit May 2, 2001

I hereby certify that this paper is being deposited with the United States Postal Service "EXPRESS MAIL Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to BOX PATENT APPLICATION, Commissioner for Patents, Washington, DC 20231.

Cindy K. Hoang

* * *

CERTIFICATE OF MAILING BY EXPRESS MAIL

COMMISSIONER OF PATENTS
Washington, D.C. 20231

ATTN: BOX PATENT APPLICATION

Sir:

Transmitted herewith for filing under 37 CFR 1.53(b) is the patent application of:

INVENTOR(s): Kim, et al.

FOR: CROSS-BAR MULTIPATH RESOURCE CONTROLLER
SYSTEM AND METHOD

Enclosed are:

Utility Transmittal (1 pg.)
21 pages of specification, claims and abstract
5 sheets of Informal Drawings
Executed Declaration and Power of Attorney (4 pgs./2-sided)
Fee Transmittal (2 pgs.)
Executed Small Entity Declaration (1 pg./double-sided)
Executed Assignment with Cover Sheet Form PTO-1619A (6 pgs./2-sided)
Check #476270 in the amount of \$558.00
Return Postcard

09847991.050201

FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ 538.00)

Complete if Known

Application Number	Not Assigned
Filing Date	May 2, 2001
First Named Inventor	Kim, et al.
Examiner Name	Not Assigned
Group Art Unit	Not Assigned
Attorney Docket No.	2100653-991140

PTO
1668/60
09/04/99

05/02/01

METHOD OF PAYMENT

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit
Account
Number

Deposit
Account
Name

07-1896

- ☒ Charge Any additional Fee Required
Under 37 CFR 1.16 and 1.17

- ☒ Applicant claims small entity status.
See 37 CFR 1.27

2. ☒ Payment Enclosed:

- ☒ Check ☐ Credit card ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid
101	201	Utility filing fee	355.00
106	206	Design filing fee	
107	207	Plant filing fee	
108	208	Reissue filing fee	
114	214	Provisional filing fee	

SUBTOTAL (1) (\$ 355.00)

2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
27	20	9	63.00
Independent Claims	5	2	80.00
Multiple Dependent		.00	.00

Large Entity Fee Code	Small Entity Fee Code	Fee Description
103	203	Claims in excess of 20
102	202	Independent claims in excess of 3
104	204	Multiple dependent claim, if not
109	209	** Reissue independent claims over original patent
110	210	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 143.00)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid
105	205	Surcharge - late filing fee or oath	
127	227	Surcharge - late provisional filing fee or cover sheet	
139	239	Non-English specification	
147	247	For filing a request for ex parte reexamination	
112	212	Requesting publication of SIR prior to Examiner action	
113	213	Requesting publication of SIR after Examiner action	
115	215	Extension for reply within first month	
116	216	Extension for reply within second month	
117	217	Extension for reply within third month	
118	218	Extension for reply within fourth month	
128	228	Extension for reply within fifth month	
119	219	Notice of Appeal	
120	220	Filing a brief in support of an appeal	
121	221	Request for oral hearing	
138	238	Petition to institute a public use proceeding	
140	240	Petition to revive - unavoidable	
141	241	Petition to revive - unavoidable	
142	242	Utility issue fee (or reissue)	
143	243	Design issue fee	
144	244	Plant issue fee	
122	222	Petitions to the Commissioner	
123	223	Petitions related to provisional applications	
126	226	Submission of Information Disclosure Stms	
581	281	Recording each patent assignment per property (times number of properties)	40.00
146	246	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	249	For each additional invention to be examined (37 CFR § 1.129(b))	
179	279	Request for Continued Examination (RCE)	
169	269	Request for expedited examination of a design application	

Other fee (specify)

* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 538.00)